

WHAT IS CLAIMED IS:

1. An information exchange apparatus comprising:
a communication information exchange device
configured to transmit communication information of a
first apparatus to a second apparatus, the
communication information including identification
information which is used for making the second
apparatus to specify the first apparatus to start a
radio communication;
- a radio communication device associated with the
first apparatus configured to communicate with the
second apparatus by radio; and
- a controller, connected between the communication
information exchange device and the radio communication
device, configured to make the radio communication
device to start the radio communication with the second
apparatus after transmitting said communication
information to the second apparatus.
2. An information exchange apparatus according to
claim 1, wherein said communication information
exchange device comprises a connector which is directly
connected to the second apparatus when transmitting
said communication information.
3. An information exchange apparatus according to
claim 1, wherein said communication information
exchange device comprises a directional radio
communication interface including IrDA (Infrared Data

Association).

4. An information exchange apparatus according to claim 1, wherein said communication information exchange device comprises a public phone interface.

5 5. An information exchange apparatus according to claim 1, wherein said communication information exchange device comprises a cable which is connected to the second apparatus when transmitting said communication information.

10 6. An information exchange apparatus according to claim 1, wherein said identification information includes at least one of apparatus name, connection type, and communication address.

15 7. An information exchange apparatus comprising:
a communication information exchange device configured to:

transmit communication information of a first apparatus to a second apparatus, the communication information including identification information which is used for making the second apparatus to specify the first apparatus to start a radio communication, or;

20 receive communication information from the second apparatus, the communication information of the second apparatus including identification information which is used for making the first apparatus to specify the second apparatus to start the radio communication;

25 a radio communication device associated with the

first apparatus configured to communicate with the
second apparatus by radio; and

a controller, connected between the communication
information exchange device and the radio communication
5 device, configured to make the radio communication
device to start the radio communication with the second
apparatus after transmitting said communication
information of the first apparatus to the second
apparatus or receiving said communication information
10 from the second apparatus.

8. An information exchange apparatus according to
claim 7, wherein said communication information
exchange device comprises a connector which is directly
connected to the second apparatus when
15 transmitting/receiving said communication information.

9. An information exchange apparatus according to
claim 7, wherein said communication information
exchange device comprises a directional radio
communication interface including IrDA (Infrared Data
20 Association).

10. An information exchange apparatus according to
claim 7, wherein said communication information
exchange device comprises a public phone interface.

11. An information exchange apparatus according to
25 claim 7, wherein said communication information
exchange device comprises a cable which is connected to
the second apparatus when transmitting/receiving said

communication information.

12. An information exchange apparatus according to claim 7, wherein said identification information includes at least one of apparatus name, connection
5 type, and communication address.

13. An information exchange apparatus comprising:

a first device disposed in a remote control associated with a first apparatus, the first device including a transmitter configured to transmit
10 communication information of the first apparatus to a second apparatus, the communication information including identification information which is used for making the second apparatus to specify the first apparatus to start a radio communication;

15 a second device configured to receive communication information of the second apparatus, the communication information including identification information which is used for making the first apparatus to specify the second apparatus to start the
20 radio communication;

a radio communication device associated with the first apparatus configured to communicate with the second apparatus by radio; and

a controller configured to make the radio
25 communication device to start the radio communication with the second apparatus.

14. A ticket gate system which communicates with a

user's terminal by radio, the system comprising:

a reader configured to read communication
information of the user's terminal from a storing
medium inserted through an inlet slot, the
5 communication information including identification
information which is used for making the ticket gate
system to specify the user's terminal to establish a
connection of radio communication;

10 a radio communication device disposed in the
ticket gate system configured to communicate with the
user's terminal by radio; and

a ticket inspection device configured to make the
radio communication device to receive ticket
information from the user's terminal by specifying the
15 user's terminal based on said communication information
read by the reader, perform a ticket inspection
processing by use of the received ticket information,
and eject the storing medium through an outlet slot
after the ticket inspection processing.

20 15. A method of a radio communication between
first and second apparatuses, the method comprising:

transmitting communication information of the
first apparatus to the second apparatus, the
communication information including identification
25 information which is used for making the second
apparatus to specify the first apparatus to start a
radio communication;

establishing a connection between the first and second apparatuses by use of the communication information; and

starting a radio communication by a radio
5 communication device associated with the first apparatus after transmitting said communication information to the second apparatus.

16. A method of a radio communication between first apparatus which is associated with a remote
10 control and a second apparatus, the method comprising:

transmitting communication information from the remote control to the second apparatus, the communication information including identification information which is used for making the second
15 apparatus to specify the first apparatus to start a radio communication;

establishing a connection between the first and second apparatuses by use of the communication information;

20 starting a radio communication by a radio communication device associated with the first apparatus after transmitting said communication information to the second apparatus.

17. A method of a radio communication between a
25 ticket gate system and a user's terminal, the method comprising:

reading communication information of the user's

terminal from a storing medium which is inserted into
the ticket gate system through an inlet slot;

specifying the user's terminal and establishing a
connection of radio communication by use of the read
5 communication information;

receiving ticket information from the user's
terminal to the ticket gate system based on the
established connection;

performing a ticket inspection processing by use
10 of the received ticket information; and

ejecting the storing medium through an outlet slot
after the ticket inspection processing from the ticket
gate system.